

Title (en)

REDOX FLOW BATTERY AND METHOD FOR OPERATING A REDOX FLOW BATTERY

Title (de)

REDOX-FLOW-BATTERIE UND VERFAHREN ZUM BETREIBEN EINER REDOX-FLOW-BATTERIE

Title (fr)

BATTERIE REDOX ET PROCÉDÉ DE FONCTIONNEMENT D'UNE BATTERIE REDOX

Publication

**EP 3602670 A1 20200205 (DE)**

Application

**EP 18730266 A 20180528**

Priority

- EP 17275084 A 20170609
- EP 2018063891 W 20180528

Abstract (en)

[origin: WO2018224346A1] The invention relates to a rechargeable redox flow battery and to a method for operating an electrically rechargeable redox flow battery. A redox flow battery comprising a first and second chamber which are separated by a membrane, wherein the first chamber comprises a cathode and the second chamber comprises an anode, is initially provided. A first electrolyte is routed into the first chamber as catholyte and a second electrode is routed into the second chamber as anolyte, wherein the first and/or second electrolyte comprises a reduction-oxidation pair, and wherein the oxidation number of the reduction-oxidation pair is changed by adding a first component to the first and/or second electrolyte and/or the oxidation number is changed electrochemically.

IPC 8 full level

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CPC (source: EP US)

**H01M 8/04186** (2013.01 - US); **H01M 8/18** (2013.01 - EP US); **H01M 8/188** (2013.01 - US); **Y02E 60/50** (2013.01 - EP)

Citation (search report)

See references of WO 2018224346A1

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